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PTO/SB/01A (08-03).

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76)****Title of Invention****MOLECULAR DETECTOR ARRANGEMENT**

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☐ The attached application, or  
☒ Application No. 10/520,986, U.S. National Phase of PCT/GB2003/002962, filed on July 9, 2003,  
☐ as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**Inventor one: Richard GILBERTCitizen of: United KingdomSignature: *RG Gilbert*Date: 7 March 2005Inventor two: Xiao-Feng ZHOUCitizen of: United KingdomSignature: *Xf Zhou*Date: 7 March 2005Inventor three: Brian Phillip ALLENCitizen of: United KingdomSignature: *B.P. Allen*Date: 7 March 2005

Inventor four: \_\_\_\_\_

Citizen of: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Additional inventors or a legal representative are being named on \_\_\_\_\_ additional form(s) attached hereto.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
Docket No. 310134.402USPC #556477\_1.DOC

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<b>ELECTION AND POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM</b>	Application Number	10/520,986
	International Filing Date	July 9, 2003
	First Named Inventor	Richard GILBERT
	Title	MOLECULAR DETECTOR ARRANGEMENT
	Art Unit	
	Examiner Name	
	Attorney Docket Number	310134.402USPC

I hereby appoint:

☒ Practitioners at Seed IP Law Group PLLC, Customer Number: 00500

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above (and any continuation/divisional applications therefrom), and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

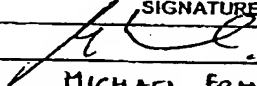
☐ The address associated with Customer Number:

OR

<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		ZIP	
Country					
Telephone		Fax			

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).☒ As assignee of record of the entire interest I/we hereby elect, under 37 CFR 3.71, to prosecute the application to the exclusion of the inventor(s).

SIGNATURE of Applicant or Assignee of Record			
Signature			Date
Name	MICHAEL FRANCIS HANNANT		4 APRIL 05
Title and Company (Assignee)	COMPANY SECRETARY EZV Technologies (UK) Limited		
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.			
<input type="checkbox"/> *Total of _____ forms are submitted.			

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. #556472\_1.DOC

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PTO/SB/96 (06-04)

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Richard GILBERT, Xiao-Feng ZHOU and Brian Philip ALLEN  
 Application No. 10/520,986  
 International Filing Date: July 9, 2003  
 Entitled: MOLECULAR DETECTOR ARRANGEMENT

E2V Technologies (UK) Limited

(Name of Assignee)

a

corporation(Type of Assignee, e.g., corporation, partnership,  
university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
 2. ☐ an assignee of less than the entire right, title and interest.  
 The extent (by percentage) of its ownership interest is \_\_\_\_\_%

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above.  
 The assignment was recorded in the United States Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the  
 current assignee as shown below:

1. From: \_\_\_\_\_

To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_

To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_

To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title noted in B above are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division  
 in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
 Signature

4 APRIL 05  
 Date

MICHAEL FRANCIS HANNANT  
 Typed or printed name

COMPANY SECRETARY  
 Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
 Docket No. 310134.402USPC

#556484\_1.DOC

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COPY

## ASSIGNMENT

WHEREAS, we, Richard GILBERT, Xiao-Feng ZHOU and Brian Philip ALLEN, (hereinafter referred to as ASSIGNORS), having mailing addresses of 3 Riverbank Court, Shrublands Close, Chelmsford, Essex CM2 6WY United Kingdom; 53 Barlows Reach, Chelmsford, Essex CM2 6SN United Kingdom; and 30 Church Lane, Toppesfield, Essex CO9 4DS United Kingdom, respectively, are the joint inventors of an invention entitled "MOLECULAR DETECTOR ARRANGEMENT," as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No. 10/520,986. This application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/GB2003/002962, accorded an International Filing Date of July 9, 2003, which claims priority to Great Britain patent application Nos. GB 0215876.4, filed July 10, 2002, and GB 0309492.7, filed April 25, 2003;

WHEREAS, E2V Technologies (UK) Limited (hereinafter referred to as ASSIGNEE), a corporation, having a place of business at 106 Waterhouse Lane, Chelmsford, Essex CM1 2QU United Kingdom, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and, in any and all divisions, reissues and continuations thereof, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for

International Application No. PCT/GB2003/002962  
U. S. Application No. 10/520,986

litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

1.

Assignor: Richard GILBERT

Date: 7 March 2005Signature: RBGDate: 7 March 2005  
(Type or Print)J Waters  
(Signature of Witness)J WATERS  
(Type or Print Name of Witness)

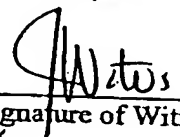

2.

Assignor: Xiao-Feng ZHOU

Date: 7 March 2005Signature: Xiao Feng ZhouDate: 7 March 2005  
(Type or Print)J Waters  
(Signature of Witness)J WATERS  
(Type or Print Name of Witness)

International Application No. PCT/GB2003/002962  
U. S. Application No. 10/520,986

3.

Date: 7 March 2005Date 7 March 2005  
(Type or Print)Assignor: **Brian Philip ALLEN**Signature:   
(Signature of Witness)J WATER  
(Type or Print Name of Witness)#556486\_1.DOC  
(310134.402USPC)

Express Mail No. EV 335614532US

FORM PTO-1595 (Rev. 03/05)  
(exp. 6/30/05)

## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

## PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents of the new address(es) below.

## 1. Names of conveying party(ies)/Execution Date(s):

- 1) RICHARD GILBERT
- 2) XIAO-FENG ZHOU
- 3) BRIAN PHILIP ALLEN
- 4)
- 5)
- 6)

## Execution Dates:

- 1) MARCH 7, 2005 4) \_\_\_\_\_
- 2) MARCH 7, 2005 5) \_\_\_\_\_
- 3) MARCH 7, 2005 6) \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: E2V TECHNOLOGIES (UK) LIMITED

Internal Address: \_\_\_\_\_

Street Address: 106 WATERHOUSE LANECity: SHEFFS FORD

State: \_\_\_\_\_

Country: UNITED KINGDOM Zip CM1 2QUAdditional names & addresses attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Joint Research Agreement
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- ☐ Other \_\_\_\_\_

4. Application or patent number(s): ☐ This document is being filed together with a new application.A. Patent Application No(s).  
10/520,986

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address to whom correspondence concerning document should be mailed:

Name: Seed Intellectual Property Law Group PLLCInternal Address: STEPHEN J. ROSENMAN, PH.D.Street Address: 701 Fifth Avenue Suite 6300City: SeattleState: WA ZIP: 98104-7092Phone Number: 206-622-4900Fax Number: 206-682-6031Email Address: STEVE@SEEDIP.COM6. Total number of applications and patents involved 17. Total Fee (37 CFR 1.21(h) & 3.41): \$40

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- ☐ Authorized to be charged to deposit account.
- ☒ Enclosed
- ☐ None required (government interest not affecting title)

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Expiration Date \_\_\_\_\_
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Authorized User Name \_\_\_\_\_

## 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

STEPHEN J. ROSENMAN, PH.D.

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

## ASSIGNMENT

WHEREAS, we, Richard GILBERT, Xiao-Feng ZHOU and Brian Philip ALLEN, (hereinafter referred to as ASSIGNORS), having mailing addresses of 3 Riverbank Court, Shrublands Close, Chelmsford, Essex CM2 6WY United Kingdom; 53 Barlows Reach, Chelmsford, Essex CM2 6SN United Kingdom; and 30 Church Lane, Toppesfield, Essex CO9 4DS United Kingdom, respectively, are the joint inventors of an invention entitled "MOLECULAR DETECTOR ARRANGEMENT," as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No. 10/520,986. This application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/GB2003/002962, accorded an International Filing Date of July 9, 2003, which claims priority to Great Britain patent application Nos. GB 0215876.4, filed July 10, 2002, and GB 0309492.7, filed April 25, 2003;

WHEREAS, E2V Technologies (UK) Limited (hereinafter referred to as ASSIGNEE), a corporation, having a place of business at 106 Waterhouse Lane, Chelmsford, Essex CM1 2QU United Kingdom, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and, in any and all divisions, reissues and continuations thereof, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for



International Application No. PCT/GB2003/002962  
U. S. Application No. 10/520,986

litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

1.

Assignor: Richard GILBERT

Date: 7 March 2005Signature: [Signature]Date 7 March 2005  
(Type or Print)[Signature]  
(Signature of Witness)J. WATERS  
(Type or Print Name of Witness)

2.


Assignor: Xiao-Feng ZHOU

Date: 7 March 2005Signature: [Signature]Date 7 March 2005  
(Type or Print)[Signature]  
(Signature of Witness)J. WATERS  
(Type or Print Name of Witness)

International Appl. No. PCT/GB2003/002962  
U. S. Application No. 10/520,986

3.

Assignor: Brian Philip ALLEN

Date: 7 March 2005Signature: Date 7 March 2005  
(Type or Print)  
(Signature of Witness)J WATERS  
(Type or Print Name of Witness)#556486\_1.DOC  
(310134.402USPC)

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